Step 1. Use the following table to identify the type of construction.

Definitions of Construction Activities	
Construction Type	**Description**
A	Inspections and non-invasive activities. Includes, but is not limited to removal of ceiling tiles for visual inspection, limited to 1 tile per 50 square feet; painting with minimal dust production; installing wall covering; electrical trim and minor plumbing work; and activities that do not generate dust or require cutting of walls or access to ceilings other than for visual inspections.
B	Small-scale, short-duration activities that create minimal dust. Includes, but is not limited to installation of telephone and computer cabling, access to chase spaces, cutting of walls or ceiling where dust migration can be controlled.
C	Any work that generates a moderate to high-level amount of dust or requires demolition or removal of any fixed building components or assemblies. Includes, but is not limited to sanding of wall for painting or wall covering, removal of floor coverings, ceiling tiles and case work, new wall construction, minor duct or electrical work above ceilings, major cabling activities, and any activity that cannot be completed within a single work shift.
D	Major demolition and construction projects. Includes but is not limited to activities that require consecutive work shifts, require heavy demolition or removal of a complete ceiling system, and new construction.

Step 2. Use the following table to identify high-risk groups.

Infection Control Risk Assessment (Circle One)			
Low	**Medium**	**Medium-High**	**High**
♦ Office areas ♦ Other:	♦ All patient care areas (unless stated in medium to high or high risk areas) ♦ Other:	♦ Emergency Room ♦ Radiology/MRI ♦ Labor & Delivery ♦ Nurseries ♦ Pediatrics ♦ Nuclear Medicine ♦ Admission/Discharge Units ♦ Physiotherapy (tank areas) ♦ Dining Facility ♦ Laboratories (specimens) ♦ Special Procedures ♦ Other:	♦ Transplant Patients ♦ Operating Rooms ♦ PACU ♦ Sterile Processing Areas ♦ All ICUs ♦ Cardiac Catherization/ Angiography Area ♦ Pulmonary Function ♦ Dialysis Units ♦ Endoscopic Areas ♦ Pharmacy Mixture Areas ♦ Oncology Units ♦ Other:

Step 3. Use the following table to define risk.

Risk Assessment Matrix				
	Construction Activity			
Risk Group	***A***	***B***	***C***	***D***
Low	I	II	II	III/IV
Medium	I	II	III	IV
Medium-High	I	II	III/IV	IV
High	III	III/IV	III/IV	IV

Step 4. Complete the Infection Control Construction Permit.

Infection Control Construction Permit	
Project Description/Number:	**Project Type:** ____Maintenance ____Renovation ____Demolition ____Construction ____Other:
Estimated Start Date:	**Estimated Completion Date:**
Project Engineer/COTR:	**Phone Number:**
Project Contractor:	**Phone Number:**
Infection Control Nurse:	**Phone Number:**
Location:	**Area Supervisor/Phone Number:**

Construction Type: (Circle One) ***A B C D***	**Risk Group:** (Circle One) ***Low Medium*** ***Medium-High High***	**Risk Assessment:** (Circle One) ***I II III III/IV IV***

Projected Utility Outages Impacting Infection Control (Mark all that apply)					
Electrical	Potable Water	HVAC	Medical Vacuum	Sewer	Other:

List All Construction Equipment that may Generate Noise, Vibration, and/or Interference with Medical Equipment (Electro Magnetic Interference)

Prevention and Control Measures (Mark all that apply)	
Risk Assessment	
I	__ Use work practices that will minimize generation of dust from construction operations. __ Immediately replace any ceiling tiles displaced for visual inspection.
II	__ Provide means (e.g., fire-rated plastic sheeting) to prevent airborne dust from dispersing into the atmosphere. __ Water mist work surfaces to control dust while cutting. __ Seat unused doors with low tack. __ Block off and seal air vents. __ Wipe surfaces with disinfectant. __ Contain construction waste before transport in tightly covered containers. __ Wet mop and/or vacuum with HEPA filtered vacuum before leaving work area. __ Place dust mat at work area entrances and exits. __ Isolate HVAC system in work area.
III	__ Isolate HVAC system in work area. __ Install fire-rated barriers or implement control cube method before construction begins. __ Maintain negative air pressure within work area, utilizing HEPA equipped air filtration units. __ Keep barriers in tact until project is completed and area is thoroughly cleaned by housekeeping. __ Vacuum work area with HEPA-filtered vacuums frequently. __ Wipe surfaces with disinfectant. __ Remove barriers carefully to minimize spreading dirt and debris associated with construction. __ Contain construction waste before transport. __ Cover waste transport containers or carts, tape coverings if lids or covers are not tight.
IV	__ Isolate HVAC system in work area. __ Install fire-rated barriers or implement control cube method before construction begins. __ Maintain negative air pressure within work area, utilizing HEPA equipped air filtration units. __ Seal holes, pipes, conduits, and punctures appropriately. __ Construct anteroom and require all personnel to pass through this room so then can be vacuumed with HEPA vacuum cleaner before leaving work area, or wear cloth or paper coveralls that are removed each time they leave the work area. __ Require all personnel entering work area to wear shoe covers. __ Keep barriers in tact until project is complete and thoroughly cleaned by housekeeping. __ Vacuum work with HEPA-filtered vacuums daily or more frequently as needed. __ Wet mop adjacent areas with disinfectant daily or more frequently as needed. __ Remove barriers in a manner to minimize spreading dirt and debris associated with construction. __ Contain construction waste before transport. __ Cover waste transport containers or carts, tape coverings if lids or covers are not tight.

Other Risk-Reduction Strategies

__ Keep patient doors adjacent to the construction area closed.

__ Seal exterior windows to minimize infiltration from excavation debris.

__ Designate alternate routes in the facility that detour staff, patients, and visitors around the construction site.

__ Schedule projects during winter months when risk of fungal infection is lowest.

__ Designate a construction-only elevator, entrance, and walkway for construction crew.

__ Remove construction debris through a window on floors above the ground level.

__ Relocate high-risk patients to an area removed from the construction site.

__ Post signage related to non-authorized entry into the work area.

__ Designate storage areas for construction materials.

__ Train and educate healthcare staff, facility workers, construction workers.

__ Other:

Step 5. Complete daily monitoring to ensure workers/contractors follow infection control guidelines and policies.

Infection Control Checklist During Construction/Renovation			
Inspector:	**Location:**	**Date:**	**Time:**

	Barriers		**Air Handling**
	Construction signs posted		All windows behind barrier closed
	Doors properly closed and sealed		Negative air pressure at barrier entrance
	Holes, pipes, conduits, punctures, etc. sealed		Portable air flow units used to maintain negative pressure running
	Dust barriers intact and sealed		
	Floor and horizontal surfaces free of dust		**Trash and Debris**
	Ceiling tiles free of moisture		No visible evidence of insects (flies)
	Traffic Control		Trash placed in appropriate containers
	All doors and exits free of debris		Routine cleaning performed in work area
	Restricted to construction workers and essential staff		"Sticky" dust mats appropriately placed/clean
			No evidence of dust outside the construction area
	Personal Protective Equipment (PPE)		Debris removed in covered container daily
	Workers wearing appropriate PPE		Regulated medical waste containers removed from work area before work is started

COMMENTS/ACTIONS TAKEN:

Step 6. Complete final infection control inspection upon completion of construction/renovation.

Infection Control Checklist Final Upon Completion of Construction/Renovation			
Inspector:	**Location:**	**Date:**	**Time:**

Equipment			
	Soap dispensers properly installed and filled		Towel dispensers properly installed and filled
	Sinks functional		Sharps containers properly installed
Housekeeping			
	Waste and excess equipment/supplies removed		Surfaces and floors dust free
Ventilation			
	Appropriate pressure relationships verified		Air intake/exhaust vents free of protective coverings

COMMENTS/ACTIONS TAKEN: